

## **Pneumonia**

### **Performance Measures**

The pneumonia data is a composite measure based on 5 individual indicators as reported on the CMS hospital compare website <http://www.hospitalcompare.hhs.gov>

<b>Acute Myocardial Infarction Quality Indicators Included in the Composite Measure</b>
Percent of patients given initial antibiotic(s) within 4 hours of hospital arrival
Percent of patients assessed and given pneumococcal vaccination
Percent of patients having a blood-culture performed prior to first antibiotic received in hospital
Percent of patients given the most appropriate initial antibiotic
Percent of patients given oxygenation assessment

### **Methodology**

The numerators of all individual performance measures included for the condition are summed to determine the composite numerator. The denominators of all the individual performance measures included for the condition are summed to determine the composite denominator. The composite numerator is divided by the composite denominator to determine the composite performance rate. The state average rate is computed by summing all hospitals composite numerators and composite denominators, then dividing the numerator sum by the denominator sum.

### **Statistical Significance**

To determine if a rate is statistically significant, 95% confidence intervals were computed around each individual hospital rate and compared to the RI state average. The following table lists the statistical significance for each RI hospital's rates compared to the state average.

Pneumonia State Average, October 2004-September 2005: **82.1%**

Rate is statistically higher than the state average	Rate (%)	Rate is statistically the same as the state average	Rate (%)	Rate is statistically lower than the state average	Rate (%)
Landmark Medical Center	88.0			Kent County Hospital	80.8
Newport Hospital	94.2			Memorial Hospital	72.0
South County Hospital	90.0			Miriam Hospital	79.4
				Rhode Island Hospital	75.5
				Roger Williams	77.6
				St. Joseph's Hospital	80.3
				Westerly Hospital	79.2